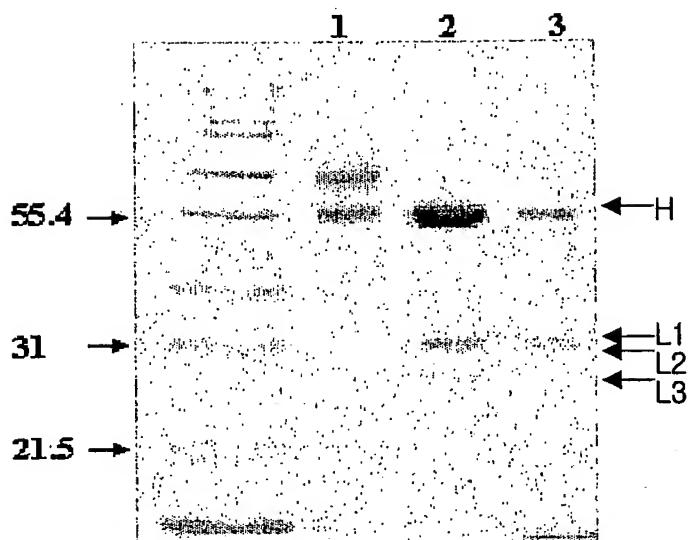
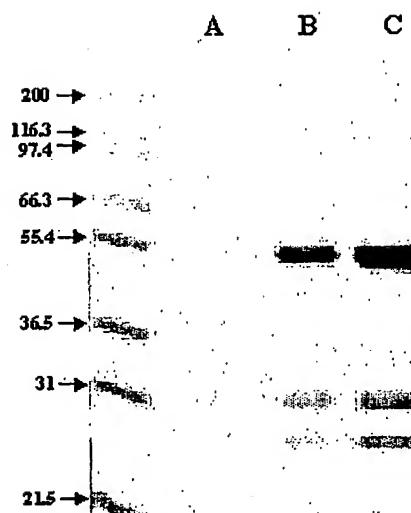
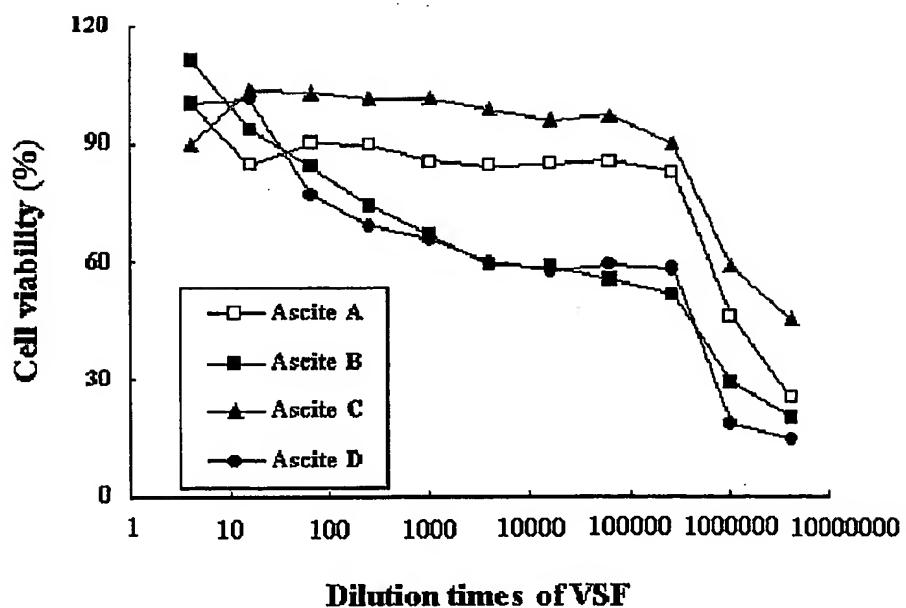
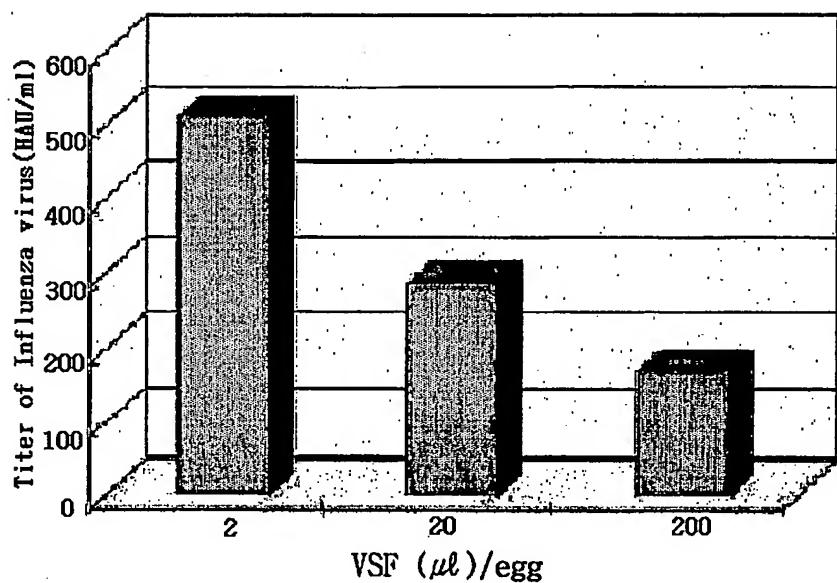


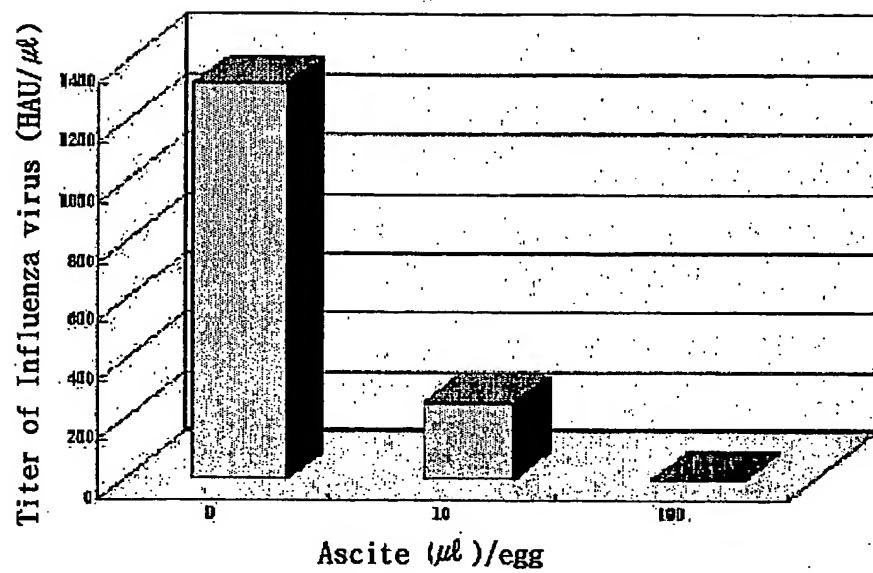
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FIG.1**BEST AVAILABLE COPY**

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FIG.2

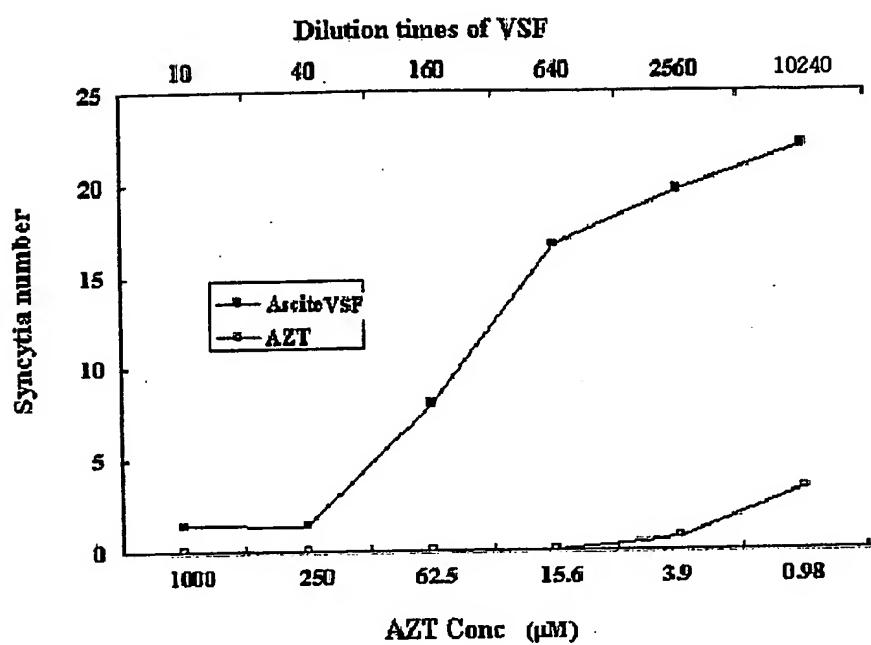


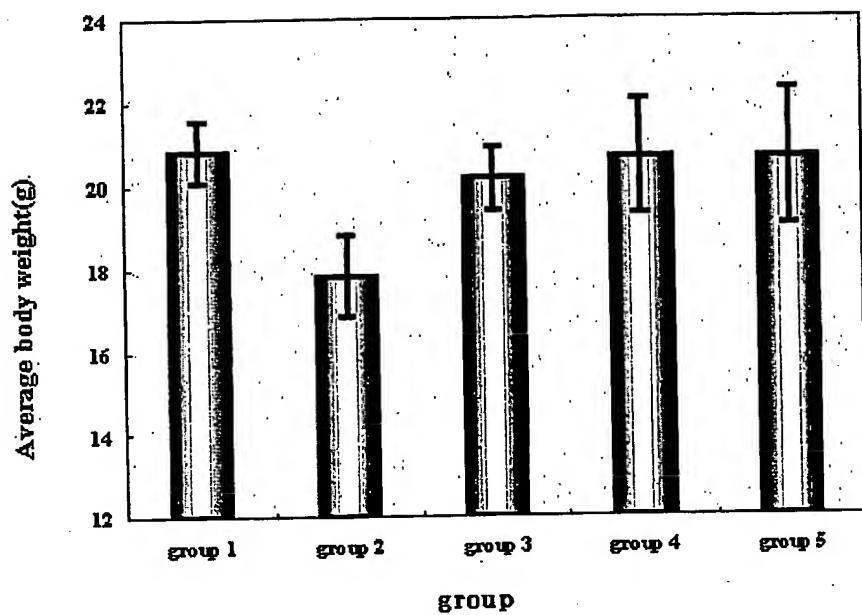
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FIG.3

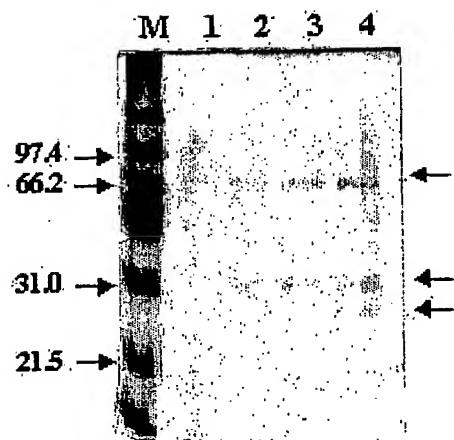
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FIG.4

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FIG.5

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FIG.6



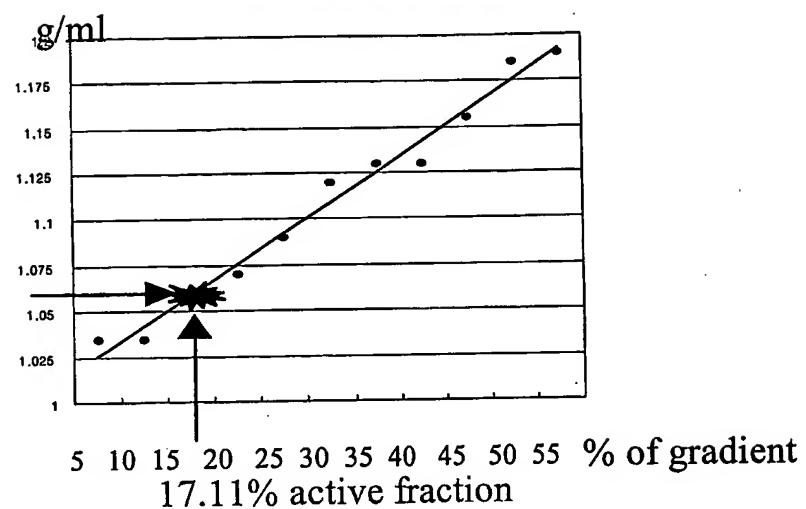
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FIG.7

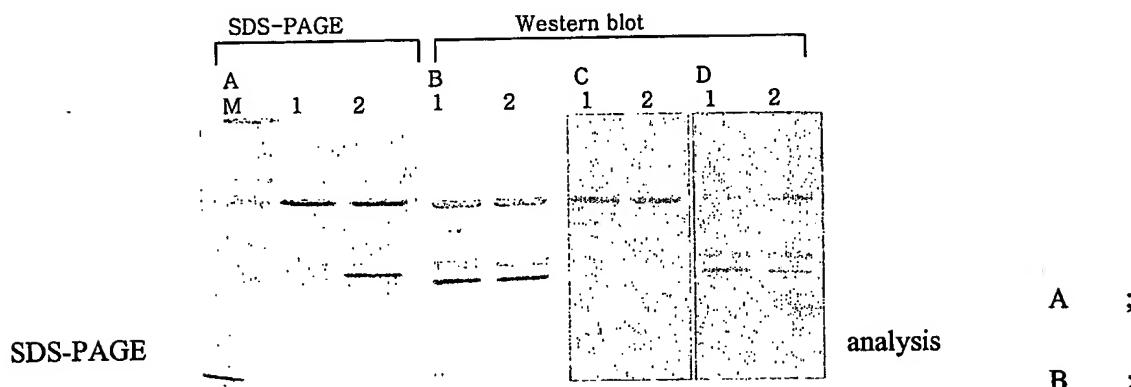
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FIG.8

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FIG.9

1 2 3 4 5 6 7 8 9 10 11



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FIG.10

Western blot with anti-mouse IgG

C ; Western blot with anti-mouse gamma chain of IgG

D ; Western blot with anti-mouse Fab of IgG

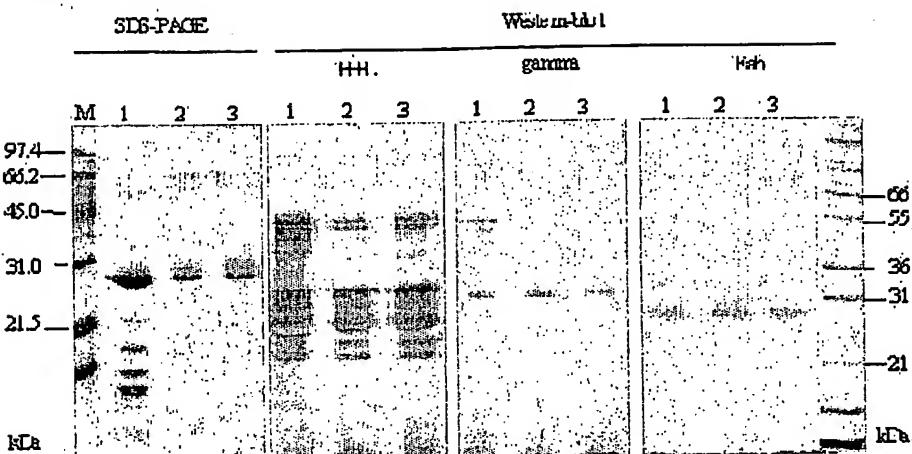
1 ; Purified VSF

2 ; Purified VSF treated with endoglycosidase

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FIG.11A

1) trypsin

→ IgG

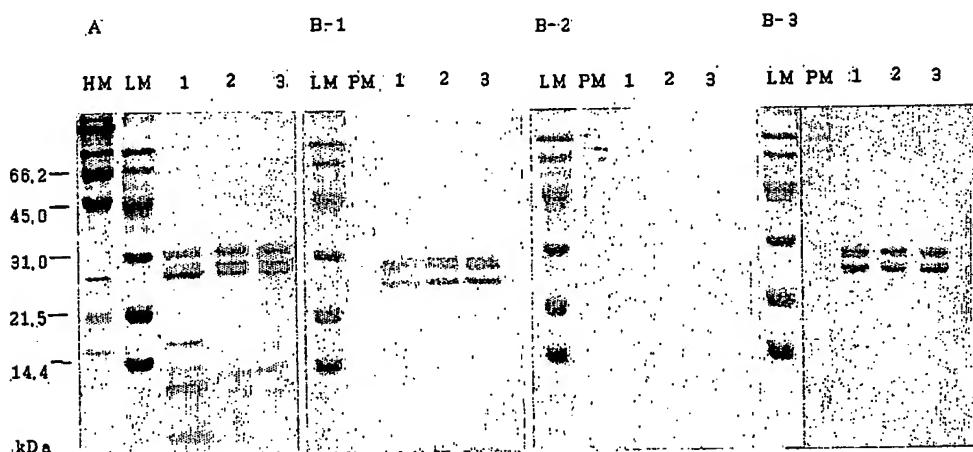


1 : Incubation for 1 hour

2 : Incubation for 6 hour

3 : Incubation for 24 hour

→ VSF



HM : high range marker

LM : low range marker

PM : prestained high range marker

A. SDS-PAGE (15 %)

B. Western blot

B-1: anti - mouse IgG (H+L)
B-2: anti - mouse gamma chain of IgG
B-3: anti - mouse Fab of IgG

1 : Incubation for 1 hour

2 : Incubation for 6 hour

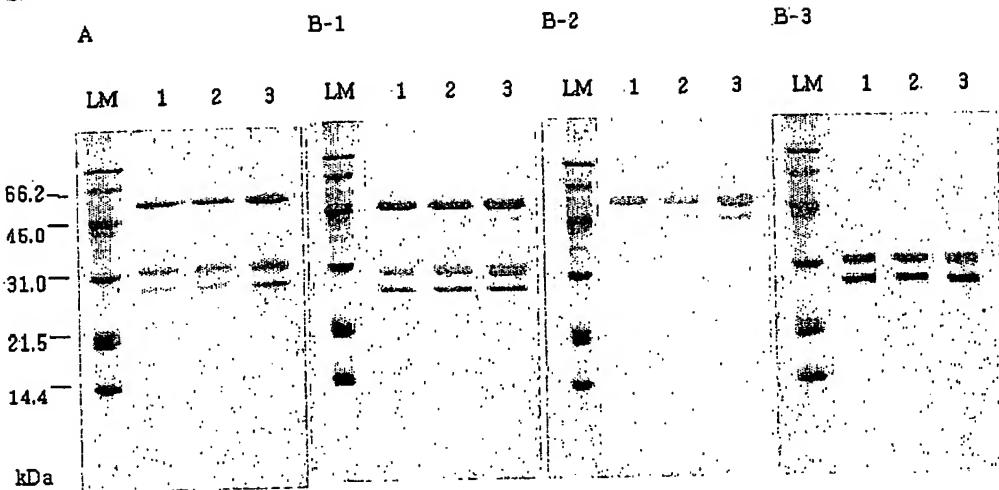
3 : Incubation for 24 hour

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FIG.11B

2) Cathepsin

→ VSF



A: SDS-PAGE

B: Western blot

B-1: anti - mouse IgG (H+L)

B-2: anti - mouse gamma chain of IgG

B-3: anti - mouse Fab of IgG

LM ; low marker

1: Incubation for 24 hour

2: Incubation for 48 hour

3: Incubation for 72 hour

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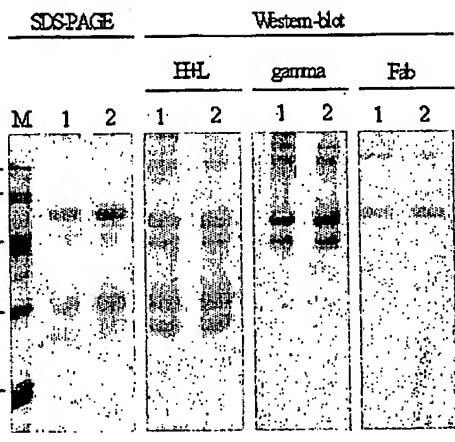
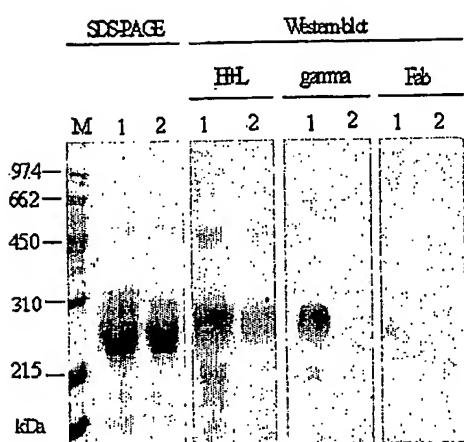
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FIG.11C

3) Papain

→ Ig G

→ VSF



1. 100ng of papain

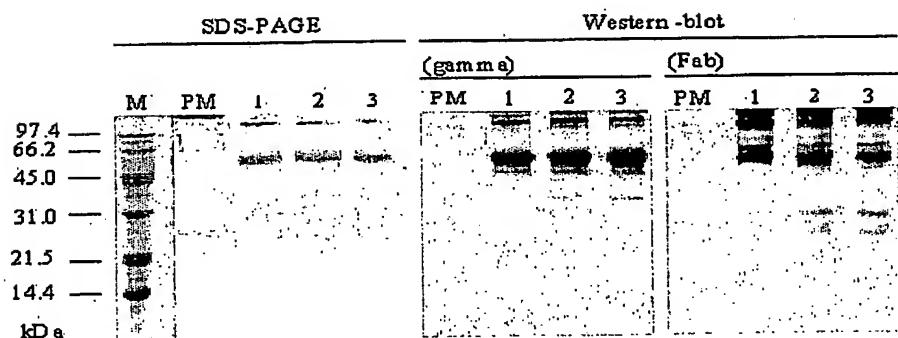
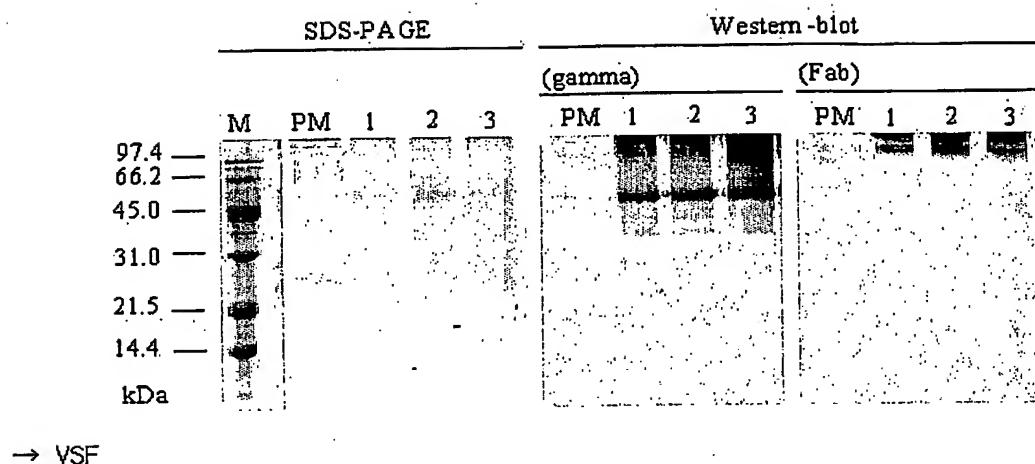
2. 1μg of papain

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FIG.11D

4) pepsin

→ IgG



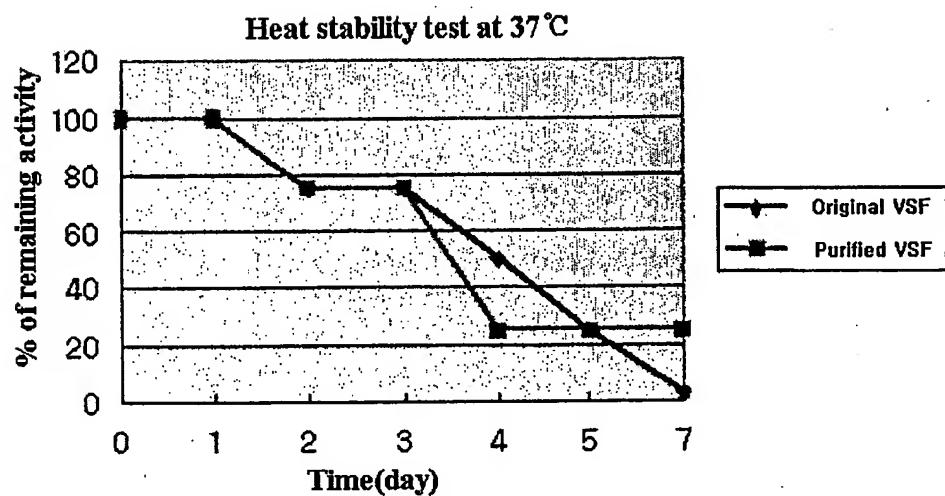
1 : 100ng of pepsin

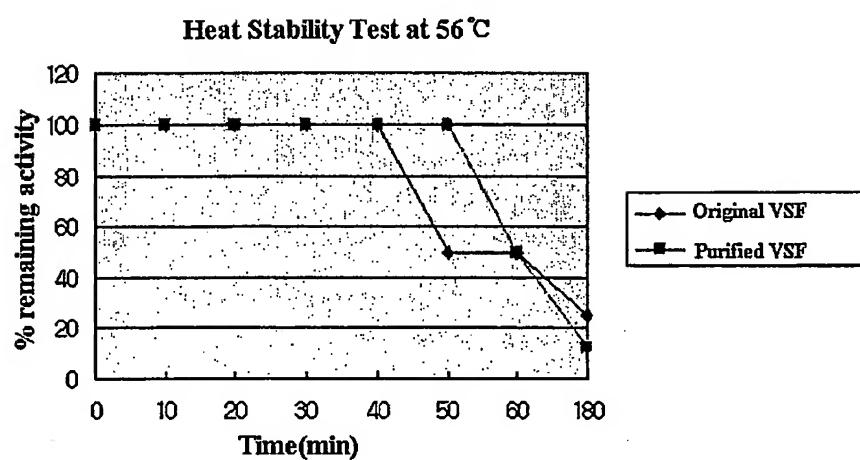
2 : 1μg of pepsin

3 : 10μg of pepsin

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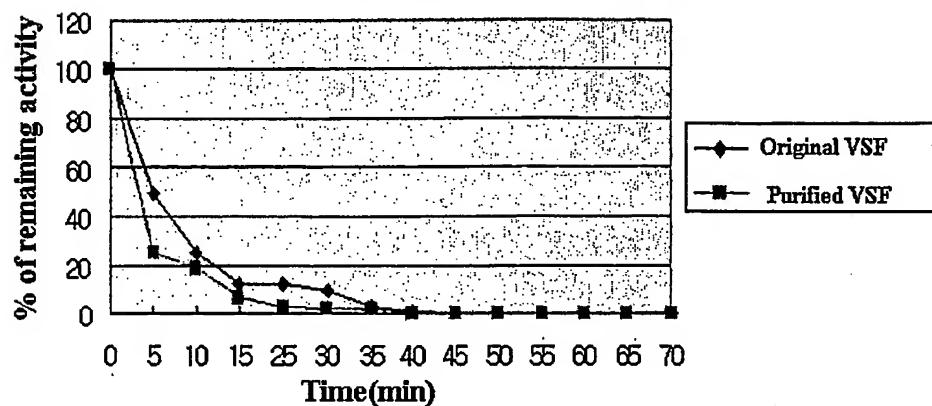
FIG.12A



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FIG.12B

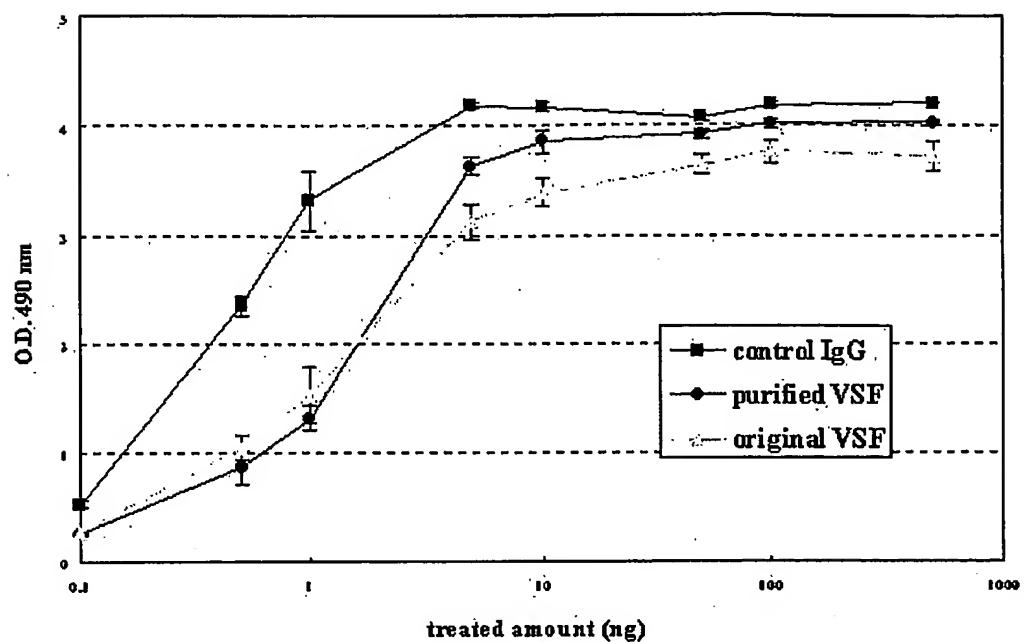
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FIG.12C

Heat Stability Test at 65°C



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FIG.13



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